

The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

ISSUE 286 MAY 10, 1985

PROPAGATION: May 8-10, High Normal; May 11, Low Normal; May 12-15, High Normal; May 16, Below Normal; May 17, 18, Disturbed; May 19, Low Normal; May 20, High Normal; TNX N4XX.

| Flux (81) | Flux (82) | Flux (83) | Flux (84) | Date | Flux (85) | Alpha (85) | K (85) |
|--------------|--------------|--------------|--------------|------|--------------|---------------|-----------|
| 196 | 176 | 145 | 151 | 4/26 | 89 | 40 | 5 |
| 196 | 165 | 148 | 172 | 4/27 | 80 | 25 | 4 |
| 172 | 163 | 157 | 180 | 4/28 | 77 | 41 | 3 |
| 174 | 153 | 146 | 177 | 4/29 | 82 | 18 | 3 |
| 140 | 149 | 145 | 183 | 4/30 | 80 | 21 | 3 |
| 185 | 149 | 140 | 168 | 4/31 | 81 | 12 | 2 |
| 190 | 145 | 143 | 151 | 5/1 | 75 | 30 | 2 |

KH6BZF REPORTS a sudden ionospheric disturbance began Apr 30, 0911Z, followed by a geomagnetic storm at 1330Z, "to round out a week of stormy/lousy MUF's, to put it mildly." The solar flux index has dropped from 128.7 in April 1984 to 75.16 in April, 1985. The approximate bottom is 69.0, expected to occur in about 1,000 days.

NOTES

IRAQ: YIIBGD reported on CW, Kamal at the key, worked in Europe at 1600Z on 14.047. Kamal is reportedly using one of the ARRL-supplied "WARC kit" transmitters. (DXPress).

GUERNSEY: GV4LIN will be a special event station commemorating WW2's end, May 9-11, all bands, including 160. Others are GV2VIE and GV4VE. GB0SGD is a special station from England for St. George's Day, now to May 18 (DXNS).

MONGOLIA: UZ0SWW/JT active, worked 20 SSR May 5 at 1230Z from Massachusetts. This operation was apparently scheduled to run only until May 9.

NAVASSA 6Y5NR/KP1 made 11,500 contacts, 6Y5FS/KP1 about 1500. Both can be QSLed via 6Y5NR, although 6Y5FS cards can be had via GW3YDX.

An interesting letter from Europe contrasts the operations from Navassa and those of FO0XX..."I just barely caught 6Y5NR/KP1 on 20 Meters one afternoon. He was working simplex and not too strong. He stayed only a few minutes and was gone. That was Sunday, Apr 8. Worked FO0XX on 40 Meter SSB and moved down to 80, on the oft chance they might be there. They weren't, but 6Y5NR/KP1 was, on 3795, listening 3805, 59+! Some Europeans made contact by transmitting out of their band, but as it turned out they were the lucky few.

"I am surprised that so much negative has been said about FO0XX (in the European press) but little about the Navassa operation. Perhaps more was expected from the FO0XX group because of the hoopla and (monetary considerations). I was glad to work both of them, but it is annoying to lose a contact with them on the low bands when their signals are good and it looks so easy."

ST BRANDON 3B7 radio operations are now authorized only for residents of Mauritius, as SMOAGD found out; Eric reportedly had landing permission but not radio. The "3B7CD" on 20 and 40 CW at the end of April was obviously a pirate.

BURUNDI 9U5JB operation by ON5NT netted 7210 contacts, including many in Europe on all five bands 10-80 meters. One G station was worked on 24 MHz. Ghis reported generally good manners except for the notable exception of U.S. operators on 20. (DAZER).

AFGHANISTAN: One YAIKBL was heard in Europe working a Russian station, in English (!) on 20 SSR Apr 17. Gave his address as Box 570, Kabul...

UGANDA: QSLs from the recent German operation are already hitting the mail, for 5X5BD (7000 QSOs) and 5X5WR (1200). Newington awaits paperwork before certifying for DXCC credit.

ON4UN, who will be a guest at the May 10 meeting of the So. New England DX Association, is the subject of some controversy in Europe. One publication there mentioned that during a morning 80 Meter opening to FO0XX, the only Europeans who got through were on an "ON4UN list." John didn't take kindly to that, saying he doesn't like list operations.

A perennial problem is when you're the loudest station on the band, there are always going to be people who get mad at you, and there's little doubt that ON4UN is one of the kings of 80 Meters. A friend of ours who was stationed in Antarctica in the early 1970's says that ON4UN was always the first European in on 80, the loudest, and the last out.

FROFLO, now signing FR5DX, was recently asked about QSLs, and he replied that he had a big box of them "to do soon." Herik is just one of those people who doesn't like the chore of answering QSLs.

DAYTON REPORT

Notables at this year's Dayton Hamvention included Mike Smedal, A71AD; Bob Walsh, WA8MOA, 160 Meter operator at HZ1AB and a member of the VKOCW/VK0HI team; ZL1AMO, and HB9AMO. The Kansas City DX Club did a new spoof, this one on contest calling to the tune of "Ghost Busters." New amps were shown by Henry and Amp Supply.

FCC ISSUES "R AND O" ON NEW FREQUENCY BANDS

In a report and order dated April 26, FCC indicated what would be happening on the 10 and 24 MHz bands. On the 10 MHz (30 Meter) band, there will be no change...ARRL's recommendation that the power limit of 200 watts (PEP), CW only, be retained was approved by FCC. ARRL argued that the power limitation was "consistent with the need to share (this) band with Fixed Stations worldwide."

FCC considered petitions that the 24.890-25.890 MHz band be limited to (1) novices only and (2) Advanced and Extra licensees only, but ruled that the band will be open to General licensees and above. FCC also considered petitions for reduced power levels on the 12 Meter band, but con-

Copyright The DX Bulletin. The DX Bulletin (ISSN 0279-8077) is published fifty times per year. Subscription rates available upon request. The DX Bulletin is published at Burnap Brook Road, Andover, CT 06232: Second-class postage paid at Andover, CT. POSTMASTER: Send address changes to The DX Bulletin, Andover, CT 06232.

cluded that no limitation was needed. There will be no "sub bands" on 12 Meters. FCC noted that the 24 MHz band is already allocated for amateur use in over 40 other countries, and phone/cw divisions would be on a voluntary basis "in a manner consistent with Region 2 IARU recommendations."

THE RULES AMENDMENTS ARE EFFECTIVE 0001UTC
JUNE 22, 1985.

In another matter, that of station identification, FCC agreed with a petition filed by Dave Popkin, W2CC, that an order of last January 25 was confusing and almost completely precluded the transmission of any callsign other than one's own. Section 97.121 False Signals is modified as follows.

An amateur radio station must not transmit:

(a) False or deceptive signals or communications by radio;
NOR:

(b) For purposes of identifying the station, any call sign which has not been assigned to it. Notwithstanding the foregoing, when a station is operated within the privileges of the operator's class of license but which exceed those of the station licensee, station identification must be made by following the station call sign of the station being operated with the operator's primary station call sign in accordance with Section 97.84 (b).

COMMENT

Last January, TDXB noted that the new rule still did not make clear whether it was legal to use your own callsign from another station. This is a matter which is of prime importance to contest operators and others who do not have a station of their own. Although each FCC license does specify a "fixed station location," you can move to another (unlicensed) location and use your assigned callsign while your FCC license is being modified.

However, if you operate from another station which is owned by an FCC licensee, and that location is specified as that licensee's "fixed station location," then clearly it is illegal to use your own callsign.

Unfortunately, this is going too far. The intent of the rule is to make it illegal for someone to use another's callsign without authorization. This is not likely to prevent "bootlegging," or pirating of callsigns.

What this new rule will make illegal is what we think is a perfectly legitimate activity...one licensee sitting down at another licensee's station and, with the station licensee's permission, using one's own callsign instead of the assigned station callsign.

Here is an example of who will be affected: a contest super station owned by an Advanced Class licensee, uses the callsign of one of their Extra class licensee operators. The new FCC rule makes this practice clearly illegal, and the team will now have to sign both call signs in order to remain legal.

The alternative is for one of the Extra class team members to move his "fixed station location" on his FCC license to the contest station site. That would actually not be a problem, because then the Extra class licensee could still use his own call from his house, since it would then be an "unlicensed location." There is no limit to how many people can be licensed at the same location!

BAND COUNTRIES COLUMN

HERE IS the first list of band countries...the first group of seven are, we believe, current countries only, while the second group are all-time (including deleted) countries. There are some pretty hefty benchmarks here. Please send in your totals for the column, and encourage your friends to do so, also. Generating this sort of data is pretty easy in this age of home computers, and it provides pleasant diversion during solar storms.

| CALLSIGN | 160 | 80 | 40 | 20 | 15 | 10 | TOTAL |
|----------|-----|-----|-----|-----|-----|-----|-------|
| N4KG | 141 | 267 | 295 | 315 | 305 | 290 | 1613 |
| OH1XX | 127 | 267 | 270 | 305 | 297 | 274 | 1540 |
| G3GIQ | 63 | 194 | 247 | 312 | 312 | 294 | 1422 |
| OH3YI | | 254 | 257 | 313 | 305 | 279 | 1408 |
| W3AP | 107 | 182 | 229 | 314 | 278 | 243 | 1353 |
| OH2BU | | 222 | 258 | 311 | 295 | 266 | 1352 |
| G4DY0 | 56 | 161 | 212 | 306 | 300 | 282 | 1317 |
| W9ZR | 157 | 277 | 295 | 327 | 320 | 296 | 1672 |
| G3KMA | 95 | 222 | 301 | 331 | 332 | 317 | 1598 |
| K2FL | 58 | 245 | 290 | 342 | 317 | 311 | 1563 |
| G3MCS | 48 | 202 | 253 | 320 | 322 | 306 | 1452 |
| W1AX | 82 | 182 | 243 | 356 | 269 | 212 | 1344 |
| W4BAA | 82 | 137 | 160 | 340 | 196 | 184 | 1100 |

QST CONTENT

A recent survey of ARRL members asked them what they would like to see in QST. Given that there are a limited number of news pages in any magazine, based on number of pages of advertising, something has to be taken away in order for something else to be added. Far and away, the QST readers said the thing to take away was contest results.

Now, we have personal experience here. There was a time when contest page space was almost entirely based on the verbosity of the contest editor. That is, you wrote it, they published it. Those days are long gone. The DX column does not get as much room as in the heady days of W9BRD. And we suspect that the DXCC Honor Roll has been cut back to once a year because of tightness of page space, too.

One way out of this dilemma is to publish specialty sheets for "targeted audiences." ARRL has long done this with the "CD Bulletin" (now QCD), and more recently with a technical newsletter and with the bi-weekly ARRL Letter. Indirectly, ARRL supports amateur satellite work by helping finance AMSAT, which publishes both a monthly magazine and a biweekly newsletter.

Do not be surprised if someday soon contest results are taken out of QST and offered to contest participants who send in logs in the form of a separate mailing. It is difficult to justify eight pages for Sweepstakes results in a magazine with a circulation of 150,000, when only 2,000 amateurs participate in the SS.

The DXCC program is on slightly better footing, because it is partially self sustaining. That is, you must be an ARRL member (if you're American or Canadian) in order to participate. The League cannot require membership for contest participation because that would most likely hurt participation in the events. The argument can and has been made that perhaps as many as thousands of ARRL members pay up each year just to get their DXCC certificates updated.

QSL INFO

| DX CALL | QSL TO | | | | | | |
|-----------|--------|------------|--------|-----------|----------|-----------|--------|
| AD8J/VP2E | AD8J | FG/K2BS/FS | W2GHK | K8CV/VP2E | K8CV | VQ9CK | WB3CQN |
| AH3AC | KB2RV | FG4CB/FS | FG4CB | LU3XPM | BURO | VR6AB | ZL4DW |
| AH8A | K6EDV | FG4CP | FG7BT | NR5M/KP5 | K5LZO | V3C | N5DDV |
| A22ME | AK1E | FG5DL/FS | F6ARI | N4BP/C6A | N4BP | V9FXT | VE3FXT |
| A35EA | ZL1AMO | FM4CT | N7RO | OE8AJK/YK | OE8AJK | WB0MIV/V4 | WB0MIV |
| CE0AE | WA3HUP | FM5BW | FM7BW | OX3OA | OZ1FAO | W1BIH/PJ2 | W1KDD |
| CE0DPD | CE3DPD | FM5DJ | W5JLU | PA6FLD | PA3BSS | W1WEF/PJ2 | W1WEF |
| CE0EEO | CE3EEO | FM5WD | W3HNK | PS7KM | WB8SSR | W2ZZ/CT3 | W2ZZ |
| CE3DNP | LU8DPM | FT8XA | F6FYD | PT7SD | WB8SSR | XO1XG | VE1XG |
| CE8ABF | LU8DPM | F5II/FY | F5II | PZ5ES | N8DE | YN4RC | WB8SSR |
| CG3KQS | KALSR | F6REF/HYE | F6ISN | P29KJ | VK9NL | YS1UL | WA0JYJ |
| CG3NNR | KALSR | HC5EA | K8LJG | SV0DI | WA4DAN | ZC4MR | G4SDJ |
| CN8EL | W2PD | H18LC | W2KF | TG9NX | N4FKZ | ZD8LA | G4OFY |
| CO7AM | WB6QPG | HK0HEU | HK0FBF | TG9VT | W3HNK | ZF2AD | K3MBF |
| CT2AK | W3HNK | HL9TA | K0LST | TG9XHQ | JA4FGD | ZL0AAA | W5YU |
| CT2CB | N2DUR | HP1XKR | JA7AGO | TI5MRC | VE3MR | ZP5JCY | LU8DPM |
| CY0SAB | VE1CBK | HV3SJ | I0DUD | TI9J | TI2J | ZP5XDW | N4DW |
| C30LBM | EA5AGY | I18CS | I8WYD | TL8CK | F6EWM | ZS3E | K8EFS |
| C53AL | KA2CDE | JR8BUU/5N0 | JA8FCG | TR8DM | F3CY | ZS3HL | KE1A |
| C53CL | EABZZ | JW0EQ | LA5NM | TR8DR | W2PD | 3C1BC | K4PHE |
| C6ABA | G3AMR | JW6VDA | LA5NM | TR8IG | N6CW | 3C1YL | N4NX |
| DJ0SB/C6A | DJ0SB | JY9WR | G4ATS | TR8SDP | F8BC | 3D6AL | AA2F |
| DJ6SI/5V | DJ6SI | J5WAD | W6CNA | TZ6FIC | FE6CRS | 3D6AN | WK4Y |
| DL7AH/3X | DL7AH | J73D | W2OB | T30AT | G4GED | 3V8PS | IN3RZY |
| D68AR | F6ACB | J73DF | N4CRU | T30ZK | JJ1TZK | 3X4EX | N4CID |
| EL1F | WD9IDS | J73LC | KF4IL | T32AF | KH6UR | 4K1C | UA4HCU |
| EL1G | WD9IDS | J87GL | K9QVB | VE3LRU/J3 | VE3LRU | 4K1F | UQ2GAG |
| EL2CJ | JF2QHC | J87J | K4UEE | VK0GC | P29JS | 4N4EXA | YU4EXA |
| EL2FJ | JF2QHC | J87UEE | K4UEE | VK75A | VK3 BURO | 4X4BL | WA2KNC |
| EM2C | UC1AWB | J87VV | KB9AW | VP2E/AD8J | AD8J | 4Z4DX | WA4WTG |
| EM6AAK | UZ6AWA | J88AQ | W2MIG | VP2EAG | KJ0D | 5B4QX | SM6IJF |
| EO0ALW | UZ0LWC | KA2DIV/V2A | WB4OSN | VP2MB | N4AR | 5H3HM | VE5VJ |
| EO5BED | UB4EZZ | KC6MR | JJ1TZK | VP2MGD | W2RQ | 5J0LR | HK1QQ |
| EO5BQM | UB4QWP | KC6MR/KX6 | JJ1TZK | VP2MLD | WB2LCH | 5N8FOC | G3TXF |
| EU1R | UR1RWN | K0AX/KH2 | W4FLA | VP2VA | VE3MJ | 5T5CJ | W4BAA |
| EU2P | UP1BWW | K1MM/SV5 | K1MM | VP2VEG | W0DVZ | 5T5RY | F6FNU |
| EV4AW | UA4WE | K4LTA/J7 | K4LTA | VP2VFI | K1IJU | 5V8WS | DJ6QT |
| EW1AA | UZ1AWX | K5KG/VS6 | K5TU | VP5GEX | K0GVB | 5W1EJ | W0WPP |
| EW2C | UC1AWC | K5LZO/KP5 | K5LZO | VP5HPX | KC2RS | | |
| EW7BF | UB4FWW | K5NA/KP2 | KU2Q | VP5SBX | KC2RS | | |

MORE NEXT PAGE...

| | | |
|------------------------|--------------------------|---------------------------|
| 4Z4FQ 3786 0340 19 WY | CX8BBH 7018 0104 25 FL | 5X5GK 14342 1915 27 NH |
| AH8B 3798 1311 14 CA | EA9GK 7003 0042 25 FL | 8R1RPN 14190 2243 22 NH |
| BY4AA 3800 1350 11 CA | EL2FJ 7004 2335 24 FL | C21LD 7005 1455 29 OR |
| CO7AM 3800 2350 28 NH | EL2FJ 7006 2340 22 CO | CE3ZW 14046 2338 29 FL |
| FK8FI 3795 1240 29 CO | FM5WD 7004 1104 24 FL | CP6EE 14027 0000 17 IL |
| FK8FI 3797 1305 29 CA | FS/FG5DL 7022 0055 30 CO | FK0AG 14223 0637 14 OK |
| FM5WS 3794 0346 28 NH | HC5NAI 7006 1145 27 FL | FM5WH 14010 1139 1 GA |
| LU4FC 3506 1030 29 CO | IS00MH 7005 0103 26 FL | FY5KRU 14044 1149 1 GA |
| OX32M 3792 0700 17 CA | JD1/JH5EES 7004 1215 23 | HC4WA 14036 2330 29 FL |
| PY1ZAE 3503 0540 25 IL | UL7LBU 7005 1420 22 OR | HI8JT 14030 0212 25 FL |
| TK5UC 3788 0430 25 WY | UZ9AWZ 7002 0108 19 MI | JT1AS 14031 0100 19 IL |
| VK6IR 3798 1313 20 WY | V2ACW 7011 0230 22 CO | OD5SH 14245 2236 22 NH |
| VY1CW 3778 0509 15 CA | V2ACW 7025 0050 19 MI | PJ2/PA0JLS 14003 2358 24 |
| ZK2IK 3790 0710 24 CA | VK5MQ 7008 1415 23 OR | PZ1DT 14023 2227 29 FL |
| 3B7CD(??) 7005 0315 1 | VK6RZ 7009 2325 29 MI | TA1D 14155 2112 1 IL |
| 3B7CD(??) 7006 0150 27 | VP8LA 7003 0038 25 FL | TA1E 14164 2136 1 IL |
| 3B9CD 7002 0219 25 FL | XX9UT 7004 1435 29 OR | TI2/KW5E 14028 2329 29 FL |
| 3D2RN 7004 1435 22 OR | YN1CC 7005 0508 24 CO | TU4BR 14240 2249 22 NH |
| 3D2RN 7085 1210 21 CO | YS1OD 7010 0209 24 FL | U4ADP 14026 1525 29 OR |
| 9U5JB 7001 0410 17 CO | ZD6DN 7004 0500 24 CO | UA2FFA 14020 2255 29 FL |
| AH2G 7005 1430 26 OR | ZS1R 7003 1425 2 OR | UL8PWS 14017 1555 24 OR |
| C6AMU 7088 1108 24 FL | ZS6AL 7025 0500 29 GA | VE8GD 14027 0207 24 FL |
| CE0ZIG 7004 0325 27 OR | ZS6DN 7002 0400 16 CO | YI1BGD 14239 1745 14 CO |
| CE0ZIG 7011 0450 29 GA | ZS6DN 7003 1450 26 OR | YN1CC 14025 0031 25 FL |
| CE1IDK 7007 0051 25 FL | 3B7CD(??) 14025 2140 27 | ZL1BLD 14015 0210 23 MI |
| CE3DNP 7009 0035 25 MI | 4U1VIC 14031 1515 14 CO | ZL2LI 14009 0150 23 MI |
| CE3DNP 7013 0011 25 FL | 5N1/N5CJB 14213 2212 27 | ZL4TZ 14009 0235 24 MI |
| CM8CB 7013 2339 26 FL | 5N3/W4HHB 14218 2217 27 | |
| CP5LQ 7006 0220 27 FL | 5X5GK 14188 1856 27 NH | |
| CX7BY 7004 0505 29 GA | 5X5GK 14195 1904 27 NH | |

KEY TO BANDPASS:
 Callsign;
 Frequency;
 UTC;
 day of month;
 state.

PLEASE WRITE OR
 PHONE TO REQUEST
 REPORT FORMS AND
 ENVELOPES; mail
 them to TDXB
 anytime, or phone:

203-742-7124

(24 hours).

CALENDAR

ISSUE 286

ST BRANDON CANCELLED; ISSUE 286
JOHNSTON K8CRM/KH3 there again May 1; 1285
CRETE SVODV/9 is WOPU
MEETING ON4UN in Boston area May 10; 1285
GUERNSEY Special calls now; 1286

MONGOLIA UZOSWW/JT probably ended May 9
CAMBODIA XU1SS rumored on again; no reports
CHAD G3KQ1 rumored there in May, July
SUDAN DL8YR/ST2 reported in Eu, 20 CW, 1900Z
BERMUDA K8PYD and company there May 1-15

GUINEA DL7AH/3X rumored continues until June
UGANDA By KC7UU possible soon; 1285
PITCAIRN DXPress says ZL4DW/VR6AB there for
next two months, Saturday best
CRETE DL7FT/SV9 May 12-24; 1285

FRANZ JOSEF UA1OT, UW3HY/1, and EO1AOK all active
CHINA BY5RA with W7PHO 14.227/0000Z; Issue 282
DK7PE there June 9; 1285

RODRIGUES 3B9CD There until June
5 SHETLANDS 4K1F there on 40, 20 CW; need reports

CYPRUS RAF bases DXCC credit Jun 1; 1274
MOZAMBIQUE C90A active, no DXCC credit; Issue 281
UGANDA 5X5GK active, no DXCC credit
GUINEA-BISSAU No JSWAD reports lately
BALEARIC IS Rumored by PA2AJS and PA3DOT May 25-Jun 6

MACQUARIE VKOGC likes 75 SSB at 1000Z; on 20, too
CONTEST USSR "M" May 11/12
RHODES K7VAY/SV5 Jun/Jul, low power CW
CONTEST CQ WPX CW May 25/26
VATICAN Rumored by 15FLN, 18AA end of June

CONTEST RSGB Field Day Jun 1,2
S GEORGIA And S. Sandwich later this year; 1284
KERGUELEN FT8YY rumored coming in Nov for a year
CONTEST All Asia Phone Jun 15,16
CONTEST ARRL Field Day Jun 22,23

NEW BAND 24 Mhz opens for U.S. Jun 22; 1286
CONTEST IARU Radiosport Jul 13,14

QSL INFO

| | |
|-------|--------|
| 5Z4ED | JH6FMU |
| 6Y5IC | KE3A |
| 7P8BE | VE3FXT |
| 7X2CR | IS0LYN |
| 8P6JQ | N8DCJ |
| 8Q7CG | I5JHW |
| 8Q7CK | I2CRG |
| 8Q7GW | W9GW |
| 9H1EL | LA2TO |
| 9J2JN | KB2ZP |
| 9M6YY | K5YY |
| 9U5JB | OM5NT |
| 9Y4F | VE7DRW |
| 9Y4NP | W3HNK |
| 9Y4VU | W3EVW |
| 9Z4F | VE7DRW |

DX CALL

CE0ZIJ
C21DX
EA9NN
H44IA
J28EI
PY0FNI
PZ1DV
TA1A
TU2FI
VP8ALJ
VP8BDM
WP2ACV
YD8QYM
YI0AY
ZD7AL
Z21EI
6VIA

QTH INFORMATION

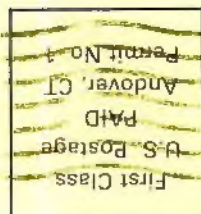
Box 1, Easter Island, Chile
Rob, Box 225, Nauru
Box 419, Melilla
Bryan, Box 219, Honiara, Solomon Is.
Box 2417, Djibouti
Box 4411, 50000 Recife PE Brazil
PO Box 9006, Paramaribo
Box 787, Istanbul, Turkey
Box 1745 Abidjan 01
Mario, Box 68, Port Stanley
Box 217, Port Stanley
Klaus, Box 7631, St. Thomas, VI 00801
Maman, J.L.Gunsrat 11, Manado 95115
Scientific Center, Box 5864 Baghdad
Box 25, St. Helena
Bernard, Box 2234, Bulawayo, Zimbabwe
Box 971, Dakar, Senegal

CONTRIBUTORS

KA1BU, W4VQ, WB1CNM, WB8ZRL, KB8KW/7,
KC5CR, W8CT, W1CYB, K9RHY, K9UIY, KD7SO,
K4BAI, N2KK/6, KH6BZF, K8GG, DA2ER,
KA4QZJ, K1KTB, W1WY, P29JS.

FIRST CLASS MAIL

WILLIAM N PEDERSEN, W1HCS (1085)
ROBERT DR
AMHERST NH 03001



Andover, CT 06232
U.S.A.

The DX Bulletin